Fig. 1

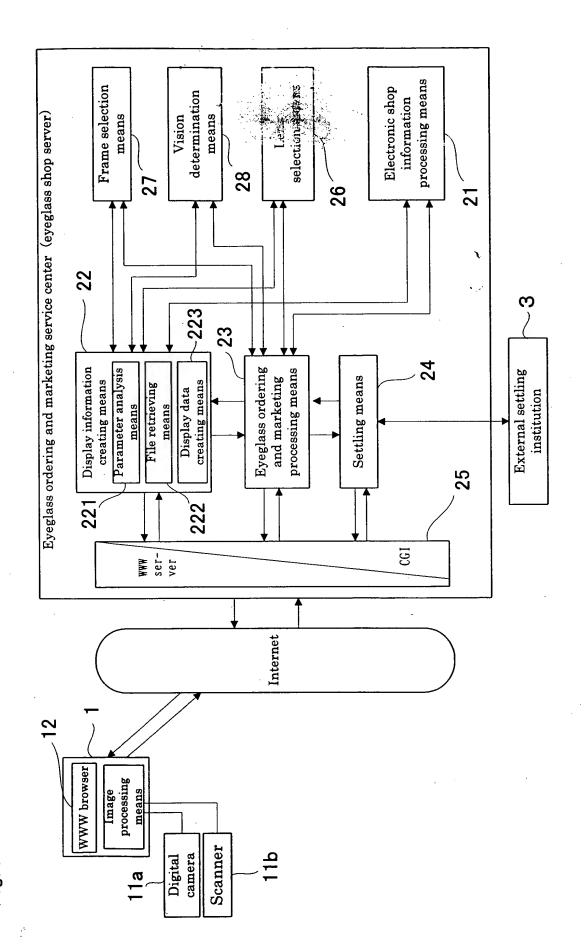


Fig. 2

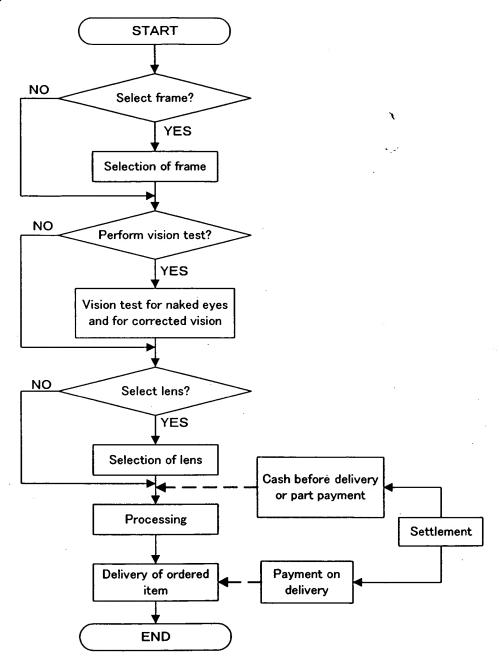
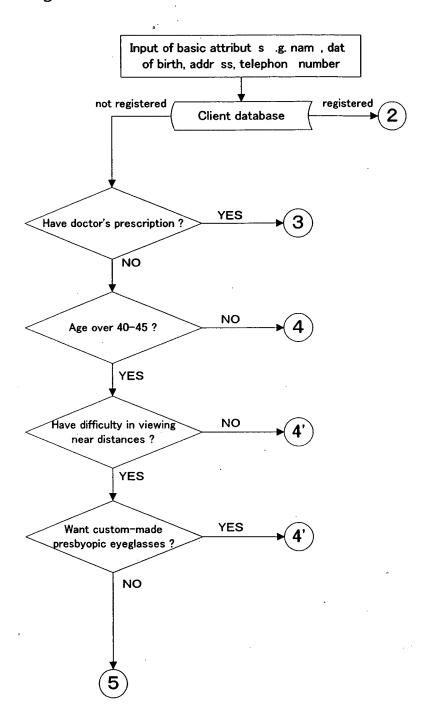
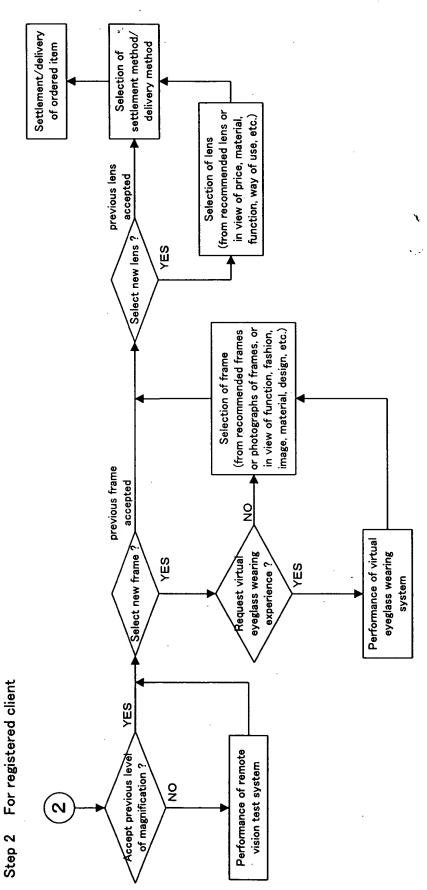


Fig. 3





Step 3 For non-registered client with doctor's prescription

Fig. 5

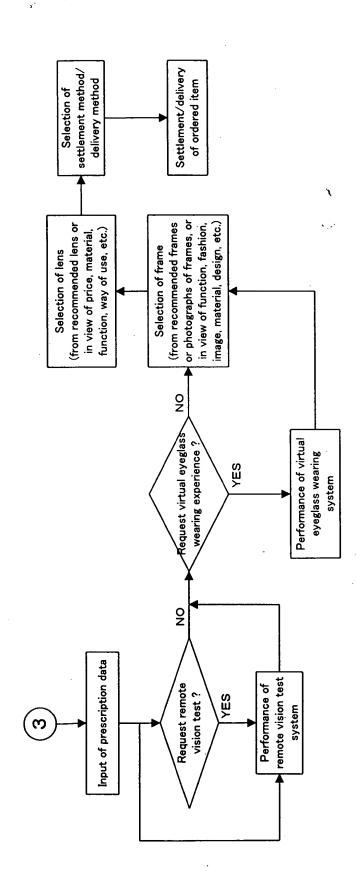
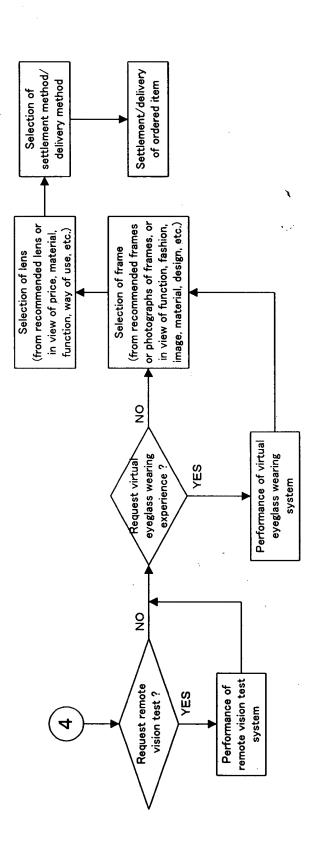


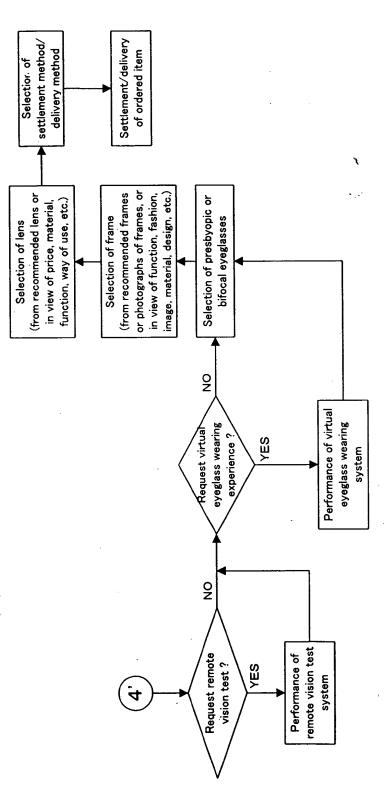
Fig. 6

Step 4 For non-registered client without doctor's prescription(under 40-45 years of age)

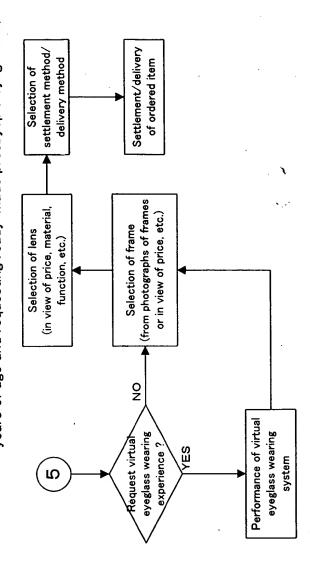


7 2

symptom or not requesting ready-made presbyopic eyeglasses despite subjective symptom) For non-registered client without doctor's prescription (over 40-45 years of age, having no subjective Step 4'



years of age and requesting ready-made presbyopic eyeglasses) For non-registered client without doctor's prescription (over 40-45 Step 5 Fig. 8





L ns S I cti n R f renc Information Databas

Name		
Client code		
Age		
Levels of magnification		
Lens func- tion	Thickness of lens	
	Weight of lens	
	Durability	
	Prevention of UV light	
Colors		
Budget		
Intended use		

Fig. 10

## Lens Database

Manufacturer's names			
Models			
	Intended use		
	Thickness of lens		
Lens	Weight of lens		
func- tion	Durability		
	Prevention of UV light		
Colors			
Prices			
Levels of magnification			



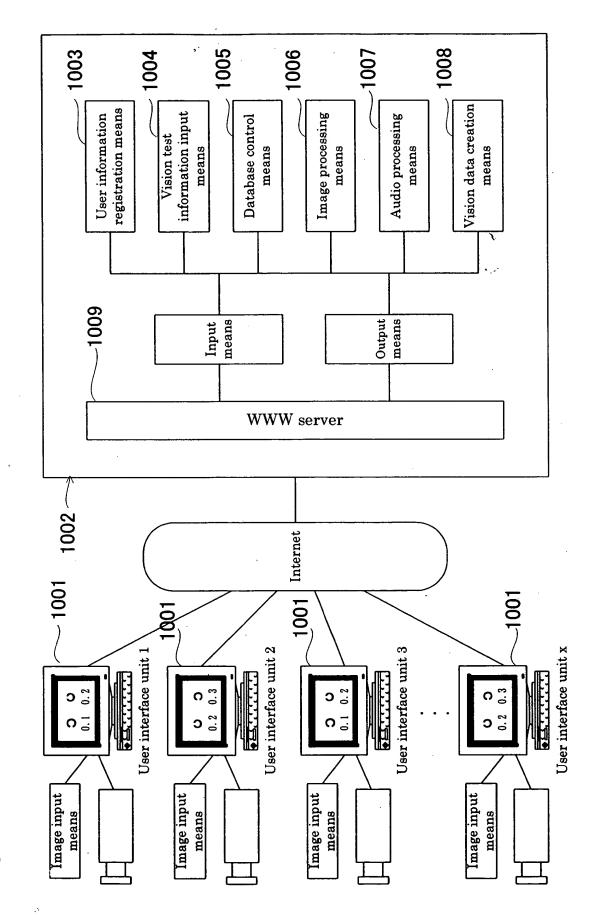


Fig. 12

User Information Database

Name
Address
Date of birth
Telephone number
Condition of eyes
Request for eyeglasses
User information identification(ID)
User password
User code
Facsimile number
E-mail address
URL
Computer environments

Fig. 13
R f r nce Databas for Carrying Out Vision Tests

Purpose of use
Age
Previous lens magnification number
Vision with lenses of previous magnification number
Balance between right and left eyes with previous magnification number
Period of service of previous eyeglasses
Type of contact lenses (if used together with eyeglasses)
Vision desired to be attained by correction
Presence of diseases associated with vision

Fig. 14

Vision Test Database

Vision of uncorrected eyes
Corrected vision
Pupil distances
Corrected levels of
magnification for distance
Corrected levels of
magnification for reading
Dates of test
Name of a person who
determined level of
magnification



Level of	Landalt rings			
	Landolt rings			
magnification	(8 types, 8 directions)			
0.1	<b>U O</b>			
0.2	O O			
0.3	C O			
•	•			
•	•			
•	•			
0.9	<b>3</b> 0			
1.0	O O			
1.2	<b>3</b> C			
1.5	<b>3 0</b>			
2.0	O C			



Levels of nearsightedness
Relationship between level of nearsightedness and vision types of nearsightedness (levels of magnification)
Correcting method

Fig. 17
Farsightedness Information Database

Levels of farsightedness

Types of farsightedness

Correcting method for farsightedness

Fig. 18

Ast	igmatism Information Database
L	Levels of astigmatism
	Types of astigmatism
	Correcting method



Look at × with right eye

×

Fig. 20

"Can you see?"

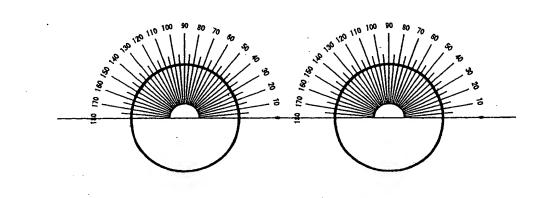
0

YES NO

<b>Eyeglass Prescription</b>	山田	太郎(Taro Yamada) 殿	25才(Age)
•			

年 月 日(Date) April 20, 2000 処方箋番号(Prescription number) 病院地番号(Hospital number)

		SPH.	CYL.			***	P. D
	,	Spherical level of magnification	Astigmatism level of magnification	AXIS	PRISM	BASE	Pupil distance
Level of magnification	R	Concave 6.0D	Concave 2. 5D	180°			5 7 M
for distance	L	Concave 7.5D	Concave 2.5D	180°			5 7 MM
Level of	R						
magnification for reading	L						



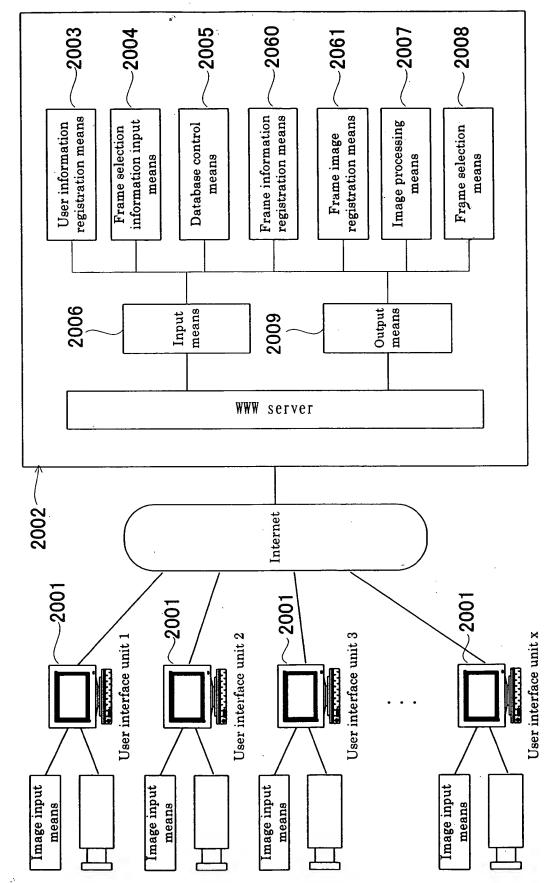
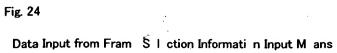


Fig. 22

Fig. 23

User Information Database

Oser Information Database
Name
Address
Date of birth
Telephone number
Condition of eyes
Request for eyeglasses
User information identification(ID)
User password
User code
Facsimile number
E-mail address
URL
Computer environments



Selection criteria (in text data)	Sense of fashion
	Budget
	Function
	Feeling of fitness to the user's face
Function 1	1. Distance between right and left pupils
(front view of face image)	2. Widths from center of right and left pupils to feet of ears
	3. Opening angles of temples determined based on 2
Function 2 (side view of face image)	1. Distance from feet of ears to tops of corneas
	2. Bending positions of temples
	3. Distances between tops of comeas and foot of nose
	4. Opening angles of pad bridges determined based on 3

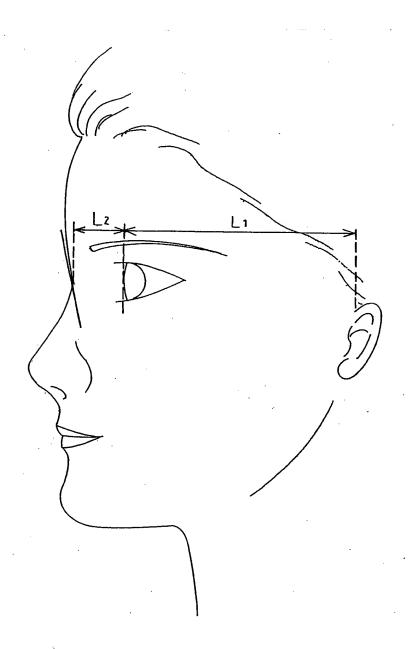
Fig. 25
Frame Functional Structure Database

Size	Actual Size $(44 \phi \sim 62 \phi)$		
Feature	Shape-memory alloy		
	Super-light weight		
	Super-elasticity		
	Simultaneous function as sunglasses		
	Portability		
	others		
Function 1	1. Distance between right and left pupils		
(front view of face image)	2. Widths from center of right and left pupils to feet of ears		
	3. Opening angles of temples determined based on 2		
Function 2 (side view of face image)	1. Distance from feet of ears to tops of comeas		
	2. Bending positions of temples		
	3. Distanc s between tops of comeas and foot of nose		
	4. Opening angles of pad bridges det rmined based on 3		



Ornamental Structure Databas
WELLINGTON
CELLULOID
OVAL
SQUARE
TONNEAU BOSTON
AUTO(DROP)
Rimless(two-point, three-point)
Metal + Nylon rimmed
Celluloid + Nylon rimmed
Metal
Celluloid
Brow line
Combination
others
Various brands
Various colors

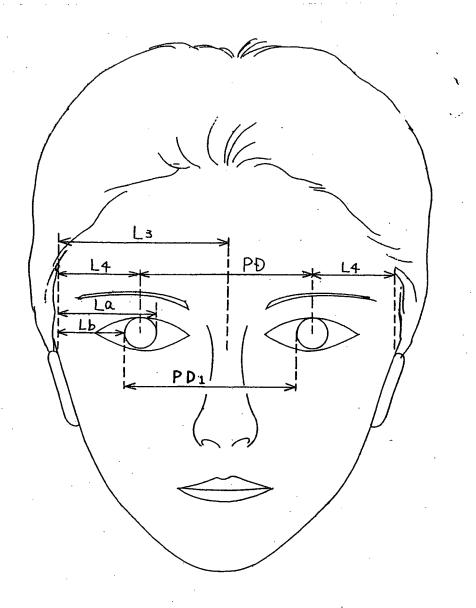
Fig. 27



ř.

į





j.

Fig. 29

